

Mineral Industry Surveys

For information, contact:

Thomas S. Jones, Manganese Commodity Specialist
U.S. Geological Survey
989 National Center
Reston, VA 20192
Telephone: (703) 648-4973, Fax: (703) 648-7757
E-mail: tjones@usgs.gov

Jesse J. Inestroza (Data)
Telephone: (703) 648-7968
Fax: (703) 648-7975

MINES FaxBack: (703) 648-4999
Internet: <http://minerals.usgs.gov/minerals>

MANGANESE IN JULY 1999

In July, reported consumption of manganese ore containing 35% or more manganese, exclusive of that at iron and steel plants, was 38,400 metric tons, which was an increase of about 26% compared with the revised figure of 30,400 tons for the previous month, according to the U.S. Geological Survey. This brought the revised year-to-date total to 259,000 tons. These figures increase to 42,600 tons and 289,000 tons when estimates for annual respondents are added on the basis of 1998 data. Corresponding industry stocks of ore at the end of the month were 161,000 tons, which includes an estimate for annual respondents on the basis of 1998 data. This was a decrease of about 5% compared with the revised figure of 169,000 tons for stocks at the end of June. (Data for the most recent 13 months are shown on page 2.)

Data for domestic consumption and stocks of manganese ferroalloys and metal for the April through June quarter of 1999 will appear in a subsequent monthly report.

Foreign trade data for July will appear in a subsequent report. For June, the data tabulated in this report indicated that for silicomanganese the trade volumes were the greatest since May 1998 for imports and the least since October 1997 for exports. Among silicomanganese imports, the first receipts of the year were reported for Georgia and Ukraine, and those from Ukraine were the largest of the month. **Note:** For early availability, the

trade data appearing in this report are being placed on MINES FaxBack in preliminary form. The data for June were placed on FaxBack as of September 1. The FaxBack document number for the July trade data will be 420207.

The Defense Logistics Agency, U.S. Department of Defense, reported for July no cash disposals of manganese materials only a transfer of 1,361 tons of chemical-grade ore to natural battery-grade ore.

In Western Australia, Consolidated Minerals Ltd. enlarged its resource base and marketing to support rejuvenation of manganese ore production from the Woodie Woodie area of the Pilbara Manganese Province. Consolidated attained control of all the manganese prospects in this area by acquiring the Bell mining leases of Boral Contracting Pty Ltd. Also, through sales to China, Japan, and Ukraine, Consolidated finalized export contracts for 225,000 tons out of a projected first year's production of about 250,000 tons (Metal Bulletin, 1999a, b).

References Cited

- Metal Bulletin, 1999a, Consolidated signs contracts for 90% of Woodie Woodie output: Metal Bulletin, no. 8390, July 5, p. 8.
———1999b, Consolidated Minerals ties up Pilbara manganese resource: Metal Bulletin, no. 8393, July 15, p. 8.

TABLE 1
SELECTED U.S. FOREIGN TRADE IN MANGANESE 1/

(Metric tons, manganese content) 2/

	Imports for consumption			Exports		
	Ore and dioxide	Ferroalloy and metal	Total	Ore	Ferroalloy and metal	Total
1998: 3/						
July	16,400	44,400	60,800	46	1,670	1,720
January-July	86,000	271,000	357,000	738	11,300	12,000
1999:						
January	16,300 4/	48,300 4/	64,600	3,010	1,850	4,860
February	17,900 4/	40,700 4/	58,700	13	1,160	1,170
March	22,100 4/	40,100 4/	62,200	75	1,500	1,570
April	18,300 4/	39,800 4/	58,100	4,980	1,250	6,240
May	33,100 4/	23,900 4/	57,000	135	1,370	1,500
June	31,900 4/	47,800 4/	79,700	46	1,270	1,320
July						
Total	140,000	241,000	380,000	8,260	8,400	16,700

1/ Data are rounded to three significant digits; may not add to totals shown.

2/ As reported except as estimated for imports of manganese dioxide and manganese waste and scrap and for exports from gross weights.

3/ Data may include revisions by the Bureau of the Census.

4/ All or part of these data have been referred to the Bureau of the Census for verification.

Source: Bureau of the Census.

TABLE 2
U.S. IMPORTS FOR CONSUMPTION OF SILICOMANGANESE IN JUNE 1999 1/

(Metric tons)

Source	Gross weight	Mn content	Customs value	Year to date		
				Gross weight	Mn content	Customs value
Australia	7,430	4,930	\$2,640,000	25,300	17,000	\$9,190,000
France	2,500	1,700	1,120,000	6,740	4,500	2,930,000
Georgia	2,500	1,880	1,000,000	2,500	1,880	1,000,000
India	2,720	1,690	1,110,000	4,250	2,720	1,650,000
Kazakhstan	1,990	1,350	707,000	9,170	6,200	3,430,000
Mexico	7,500	4,940	3,160,000	34,800	22,800	14,800,000
South Africa	4,120	2,760	1,650,000	39,100	26,300	15,200,000
Ukraine	8,190	6,030	2,850,000	8,190	6,030	2,850,000
Venezuela	1,800	1,210	666,000	9,000	5,910	3,300,000
Total	38,700	26,500	14,900,000	139,000	93,400	54,400,000
Total, general imports	38,700	26,500	14,900,000	138,000	93,000	54,100,000

1/ Data are rounded to three significant digits; may not add to totals shown.

Source: Bureau of the Census.

TABLE 3
U.S. IMPORTS FOR CONSUMPTION OF FERROMANGANESE IN JUNE 1999 1/

(Metric tons)

Source	Gross weight	Mn content	Customs value	Year to date		
				Gross weight	Mn content	Customs value
Low carbon:						
China	160	152	\$199,000	879	755	\$841,000
Italy	895	793	1,140,000	2,190	1,950	2,910,000
Japan	--	--	--	4,000	3,420	3,660,000
Mexico	418	338	379,000	418	338	379,000
Russia 2/	21	6	17,700	21	6	17,700
South Africa	20	18	35,200	604	561	1,050,000
Ukraine	60	57	64,800	60	57	64,800
United Kingdom 2/	445	417	296,000	445	417	296,000
Total, low carbon	2,020	1,780	2,130,000	8,620	7,500	9,210,000
Total, general imports of low carbon	2,020	1,780	2,130,000	8,620	7,500	9,210,000
Medium carbon, 1%-2% C:						
France	1,350	1,100	764,000	1,370	1,120	773,000
Japan	--	--	--	212	181	265,000
Korea, Republic of	--	--	--	5,700	4,640	3,330,000
Mexico	4,660	3,760	2,600,000	17,200	13,900	9,960,000
Norway	--	--	--	20	9	18,600
South Africa	--	--	--	11,800	9,540	7,050,000
Total, m.c., 1%-2% C	6,010	4,870	3,360,000	36,300	29,400	21,400,000
Total, general imports of m.c., 1%-2% C	6,010	4,870	3,360,000	36,300	29,400	21,400,000
High carbon:						
Australia	--	--	--	883	687	808,000
Brazil	--	--	--	6,580	5,000	2,430,000
China	--	--	--	2,000	1,500	721,000
France	16,200	12,600	7,170,000	65,900	50,700	33,900,000
South Africa	1,010	783	768,000	58,000	45,200	23,100,000
Total, high carbon	17,200	13,400	7,930,000	133,000	103,000	61,000,000
Total, general imports of high carbon	17,200	13,400	7,930,000	133,000	103,000	61,000,000
Grand total	25,200	20,100	13,400,000	178,000	140,000	91,600,000
Grand total, general imports	25,200	20,100	13,400,000	178,000	140,000	91,600,000

1/ Data are rounded to three significant digits; may not add to totals shown.

2/ All or part of these data have been referred to the Bureau of the Census for verification.

Source: Bureau of the Census.

TABLE 4
U.S. IMPORTS 1/ OF MANGANESE ORE (20% OR MORE MN) IN JUNE 1999 2/

(Metric tons)

Source	20% - 47% Mn		47% or more Mn		Total	
	Gross weight	Mn content	Gross weight	Mn content	Gross weight	Mn content
Gabon	--	--	26,300 3/	13,700 3/	26,300	13,700
Mexico	7,510	2,790	--	--	7,510	2,790
South Africa	--	--	25,500	12,900	25,500	12,900
Total	7,510	2,790	51,800	26,600	59,300	29,300
Year to date:						
Australia	--	--	25,400	13,300	25,400	13,300
Belgium	--	--	7,260	6,680	7,260	6,680
Brazil	--	--	2	1	2	1
China	--	--	40	33	40	33
Gabon	16,400	8,000	121,000	53,300	138,000	61,300
Ghana	26,100	10,200	--	--	26,100	10,200
Mexico	15,100	5,710	1,090	523	16,200	6,230
Morocco	--	--	20	11	20	11
South Africa	--	--	58,000	29,200	58,000	29,200
Total	57,600	23,900	213,000	103,000	271,000	127,000

1/ Quantities for general imports and imports for consumption are identical.

2/ Data are rounded to three significant digits; may not add to totals shown.

3/ All or part of these data have been referred to the Bureau of the Census for verification.

Source: Bureau of the Census.

TABLE 5
U.S. IMPORTS FOR CONSUMPTION OF MANGANESE DIOXIDE AND MANGANESE METAL IN JUNE 1999 1/

(Metric tons, gross weight)

Source	Manganese dioxide				Manganese metal			
	Quantity	Customs value	Year to date		Unwrought		Other	
			Quantity	Customs value	Quantity	Year to date	Quantity	Year to date
Australia	2,610	\$3,640,000	11,100	\$15,700,000	--	--	--	--
Belgium	37	52,600	293	469,000	--	--	--	--
Canada	--	--	--	--	--	--	--	(2/)
China	--	--	4	7,000	180	1,220	47	416
France	--	--	23	68,500	--	--	2	17
Germany	2	13,000	35	189,000	26	172	19	65
Greece	--	--	16	21,500	--	--	--	--
India	--	--	--	--	--	--	--	16
Ireland	802	1,160,000	3,210	4,560,000	--	--	--	--
Japan	--	--	16	21,400	--	--	--	4
Mexico	--	--	--	--	--	--	--	20
Netherlands	--	--	--	--	--	--	--	18
South Africa	755	1,060,000	6,120	8,700,000	917	4,910	--	--
Spain	--	--	--	--	--	36	--	--
Ukraine	--	--	--	--	--	122	--	--
United Kingdom	(2/)	5,520	82	211,000	38 3/	285	--	(2/)
Total	4,210	5,930,000	20,900	29,900,000	1,160	6,740	68	557
Total, general imports	4,210	5,930,000	21,000	30,000,000	1,200	7,020	68	557

1/ Data are rounded to three significant digits; may not add to totals shown.

2/ Less than 1/2 unit.

3/ All or part of these data have been referred to the Bureau of the Census for verification.

Note: No imports for consumption of metallic manganese waste and scrap were reported, keeping the year-to-date total at 47 tons.

Source: Bureau of the Census.

TABLE 6
U.S. EXPORTS OF MANGANESE ORE (20% OR MORE MN), FERROMANGANESE,
SILICOMANGANESE, AND MANGANESE METAL BY COUNTRIES OF DESTINATION IN JUNE 1999 1/

(Metric tons, gross weight)

	Manganese ore		Ferromanganese, 2% or less C		Silicomanganese		Manganese metal 2/	
	June	Year to date	June	Year to date	June	Year to date	June	Year to date
Australia	--	45	--	--	--	15	--	--
Belgium	--	685	--	--	--	--	--	39
Brazil	--	--	--	--	--	--	1	124
Canada	93	540	358	2,260	92	1,650	114	710
Colombia	--	1,300	--	--	--	--	--	--
France	--	487	--	--	5	14	--	--
Germany	--	1,920	--	--	--	--	--	1
India	--	--	--	--	--	--	--	1
Israel	--	1,850	--	--	--	--	--	--
Italy	--	1,020	--	--	--	--	5	10
Japan	--	--	--	--	--	--	64	430
Korea, Republic of	--	192	--	--	--	--	--	11
Mexico	--	--	--	17	38	88	3	54
Netherlands	--	466	--	--	--	19	55	113
Peru	--	36	--	--	--	--	--	--
Spain	--	--	--	--	--	10	(3/)	(3/)
Sweden	--	650	--	--	--	--	--	39
Switzerland	--	68	--	--	--	--	--	--
Taiwan	--	569	--	--	--	--	3	7
United Kingdom	--	6,700	--	--	--	--	19	310
Total	93	16,500	358	2,280	135	1,800	264	1,850

1/ Data are rounded to three significant digits; may not add to totals shown.

2/ Includes manganese-aluminum, some other alloys, and waste and scrap.

3/ Less than 1/2 unit.

Note: Exports of ferromanganese with more than 2% carbon totaled 804 tons, all of which went to Canada, to give a year-to-date total of 4,510 tons.

Source: Bureau of the Census.

TABLE 7
U.S. FOREIGN TRADE IN SELECTED MANGANESE CHEMICALS IN JUNE 1999, BY CLASS 1/

Class	Gross weight (metric tons)	Value 2/ (thousands)	Principal sources and destinations: gross weight (metric tons); value (thousands) 2/	Year to date		
				Gross weight (metric tons)	Value 2/ (thousands)	Principal sources and destinations: gross weight (metric tons); value (thousands) 2/
<u>Imports for consumption:</u>						
Manganese oxides other than dioxide	56	\$105	South Africa 36; \$91	734	\$909	Mexico 280; \$62
Sulfates, basket category, including manganese sulfate	1,890	1,400	Mexico 1,060; \$624	20,800	10,700	Mexico 10,800; \$5,340
Potassium permanganate	172	352	Spain 99; \$220	691	1,310	Czech Republic 336; \$623
Manganites, manganates, and other permanganates	--	--	--	(3/)	3	United Kingdom (3/); \$3
<u>Exports:</u>						
Manganese dioxide	786	1,030	United Kingdom 258; \$377	3,580	4,640	Canada 1,200; \$601
Manganese oxides other than dioxide	222	142	Canada 216; \$86	2,120	2,060	Canada 1,550; \$632
Sulfates, basket category, including manganese sulfate	1,700	745	Canada 1,370; \$416	12,000	4,690	Canada 10,300; \$2,990
Potassium permanganate	119	234	Germany 47; \$82	609	1,090	Germany 172; \$344
Manganites, manganates, and other permanganates	26	76	Chile 17; \$15	149	715	United Kingdom 75; \$502

1/ Data are rounded to three significant digits.

2/ For imports, Customs value; for exports, f.a.s. value.

3/ Less than 1/2 unit.

Source: Bureau of the Census.